

## **Appendix 4**

### **Mitigation Monitoring and Reporting Plan – Desert Harvest Solar Project**

As a condition of approval of the Bureau of Land Management's (BLM) Right of Way (ROW) grant for the Desert Harvest Solar Project (DHSP) and the County of Riverside Public Use Permit (PUP) for the DHSP generation intertie transmission line (gen-tie line), the adopted mitigation measures shall be implemented as specified below in this Mitigation Monitoring and Reporting Plan (MMRP). The Applicant, or its successors in interest, shall be responsible for funding implementation of the Mitigation Measures and Applicant Measures (AMs) identified in the Final Environmental Impact Statement, which was prepared to a California Environmental Quality Act (CEQA)-equivalent standard, and the Final BO, Final MOA, and any other authorizing instrument. The MMRP has been developed in compliance with CEQA Guidelines Section 15097, which states, "In order to ensure that the mitigation measures and project revisions identified in the EIR or negative declaration are implemented, the public agency shall adopt a program for monitoring or reporting on the revisions which it has required in the project and the measures it has imposed to mitigate or avoid significant environmental effects."

This MMRP for the Desert Harvest Solar Project will be in place through all phases of the project, including design and construction, and will help ensure that project objectives are achieved. The BLM will be responsible for administering the mitigation measure compliance and monitoring program and ensuring that all parties comply with their provisions; however, as the CEQA Lead Agency, Riverside County is responsible for verifying that the provisions of the MMRP are carried out, pursuant to Section 15097(a) of the CEQA Guidelines. In the MMRP, the official indicated as responsible for ensuring all mitigation measures (including selection of all monitoring contractors) and AMs are implemented is the BLM authorized officer (AO); however, the BLM AO may delegate various monitoring activities to staff, consultants, other officials, or contractors. In addition, Riverside County may assign an environmental liaison to coordinate with the BLM AO. The BLM, jointly with Riverside County, will ensure that monitoring is documented through periodic reports and that deficiencies are promptly corrected. The designated environmental monitor will track and document compliance with mitigation measures, note any problems that may result, and take appropriate action to rectify problems, including, but not limited to revocation of the approved authorizations.

This MMRP was prepared and is accompanied by the associated report forms used to verify compliance with individual mitigation measures. This MMRP identifies each mitigation measure by discipline, the entity (organization) responsible for its implementation, the report/permit/certification required for each measure, and an accompanying BLM form used to certify completion. Certain inspections and reports may require preparation by qualified individuals, and these are specified as needed. The timing and method of verification for each measure is also specified.

BLM's authority under this MMRP is inclusive of management of a compliance monitoring contractor for development, management, and implementation of the project's component of a BLM monitoring database, standardized data collection formats and reporting protocols for all programs, using BLM-approved reporting formats and schedules.

#### **Responsibilities of the Parties**

Responsibility for funding the MMRP for the purposes of ensuring BLM required compliance and mitigation measures is the responsibility of the Applicant or its successor-in-interest. The BLM has primary responsibility for ensuring that the measures are implemented.

The Right-of-Way Grant holder, its successors, heirs, and assigns must comply with requests from BLM to modify, adapt or initiate new project monitoring activities involving natural resources including but not limited to air, water and wildlife species that vary from or are in addition to those identified in the plan of development and/or Right-of-Way Grant stipulations. The holder agrees to adhere to the monitoring data standards identified by the BLM. Compliance with such requests will ensure that project monitoring activities involving natural resources support and are consistent with evolving standards and protocols identified by the BLM for long term monitoring of the impacts of the project on the natural resources of affected public lands. In accepting this right-of-way grant,

the holder shall recognize the BLM and its assigns may exercise the United States' retained right to access the lands covered by the ROW grant in accordance with 43 C.F.R. § 2805.15(a) to, among other things, conduct long-term monitoring activities involving natural resources.

The holder must cooperate with BLM in making available to the public all project monitoring data involving natural resources that is submitted as a requirement of the plan of development, right-of-way grant, Biological Opinion, or in response to a request from the BLM. The monitoring data covered by this section do not qualify as trade secrets or as confidential data. For desert tortoise in particular, the holder will post on its project website within 10 business days of reporting due dates, all natural resource and desert tortoise monitoring data, including data regarding tortoises found during clearance activities, data about tortoise mortality after translocation and any other monitoring data about tortoises that the holder is required to provide pursuant to the requirements of the right-of-way and biological opinion or other requests of the BLM.

Within 30 days prior to an NTP BLM or BLM's contractor will provide standardized reporting forms for all programs as well as specific reporting requirements and schedules.

#### **Compliance and Non-Compliance Violation Levels**

Project compliance and non-compliance violation levels and the specific corrective actions are defined as follows:

- **Compliance.** At this level indicates that all mitigation measures and permit conditions are being complied with and there are no violations. No corrective action is necessary.
- **Level 1 Non-Compliance.** One aspect of a mitigation measure has not been complied with resulting in only partial implementation of a mitigation measure, but no significant impact. An oral warning shall be issued to the Applicant, and corrective action shall be required within a stated maximum period, to be determined by the BLM. If corrective action is not taken within the stated period, a Notice of Non-compliance will be issued.
- **Level 2 Non-Compliance.** One or more aspects of a mitigation measure have not been complied with, making the mitigation ineffective and resulting in minor impacts. If allowed to continue, this non-compliance could result in a significant impact over time. An oral warning followed by a Notice of Non-compliance shall be submitted to the Applicant. Corrective action shall begin by the next construction day. If corrective action is not begun by the next construction day, a Non-Compliance Report shall be issued.
- **Level 3 Non-Compliance.** One or more of the aspects or a mitigation measure are not complied with and the implementation of a mitigation measure is deficient or non-existent, resulting in significant impact(s), or there is immediate threat of major, irreversible environmental damage or property loss. An oral warning, followed by a Non-Compliance Report, shall be submitted to the Applicant. Corrective action shall begin immediately.

Failure to follow any of these non-compliance procedures may result in a stop-work order on the project. Based on the severity of a given infraction or pattern of non-compliance activity, the BLM AO has the authority to issue a temporary stop work order during project construction. All Notices of Non-compliance will be coordinated with Riverside County, as applicable. If a shutdown of construction activity occurs, construction may resume based on approval by the BLM AO. The BLM's representative at the project site has the authority to order a temporary stop to work if he/she determines that a serious non-compliance event is occurring, personnel safety is at risk, or damage to resources is occurring, and if the BLM AO or other senior BLM official is unavailable. In all cases, BLM and its contractors have complete authority to enter the project area without notice.

## Mitigation Monitoring and Reporting Plan

MM #	Mitigation Measure Title	Reporting Action	Timing	Timing				Responsible Agency for Review, Approval, or Implementation
				PC	C	O	D	
Monitoring Process								
4.2: Air Resources								
AIR-1	Fugitive Dust Control Plan as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"><li>Develop and implement Fugitive Dust Control Plan</li></ul>	<ul style="list-style-type: none"><li>Prior to issuance of construction permits</li><li>During construction and decommissioning</li></ul>	x	x		x	<ul style="list-style-type: none"><li>SCAQMD (Rule 403)</li><li>BLM</li></ul>
AIR-2	Control On-Site Emissions as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"><li>Implement on-site emissions control measures listed in mitigation measure</li></ul>	<ul style="list-style-type: none"><li>During use of on-site off-road construction equipment</li><li>Primarily during construction, but also when applicable during operation and decommissioning</li></ul>		x	x	x	<ul style="list-style-type: none"><li>SCAQMD</li><li>BLM</li></ul>
AIR-3	Control Operational Fugitive Dust as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"><li>Implement all dust control measures listed in mitigation measure</li></ul>	<ul style="list-style-type: none"><li>During operation</li></ul>				x	<ul style="list-style-type: none"><li>SCAQMD</li><li>BLM</li></ul>
AIR-4	Control Equipment Emissions as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"><li>Implement all emissions control measures listed in mitigation measure</li></ul>	<ul style="list-style-type: none"><li>During operation</li></ul>				x	<ul style="list-style-type: none"><li>SCAQMD</li><li>BLM</li></ul>
4.3: Biological Resources – Vegetation								
VEG-1	Assign a Designated Biologist and Biological Monitors as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"><li>Appoint qualified Designated Biologist</li><li>Designated Biologist must fulfill all assigned duties found in mitigation measure</li></ul>	<ul style="list-style-type: none"><li>Prior to ground-disturbing activities</li><li>During construction, operation, and decommissioning</li></ul>	x	x	x	x	<ul style="list-style-type: none"><li>BLM (Approval)</li><li>Riverside County (Approval)</li><li>USFWS (Approval)</li><li>CDFG (Approval)</li><li>NPS</li></ul>
VEG-2	Conduct Biological Monitoring and Reporting during Project Construction, Operations, and Decommissioning as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"><li>Designated Biologist and Biological Monitors implement all assigned duties found in mitigation measure</li><li>Submit monthly compliance reports throughout the construction and decommissioning phases of the project</li></ul>	<ul style="list-style-type: none"><li>During mobilization activities, construction, operations, and decommissioning</li></ul>	x	x	x	x	<ul style="list-style-type: none"><li>BLM</li><li>Riverside County</li><li>USFWS</li><li>CDFG</li><li>NPS</li></ul>

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MM #	Mitigation Measure Title	Reporting Action	Timing	Timing				Responsible Agency for Review, Approval, or Implementation
				PC	C	O	D	
VEG-3	Prepare and Implement a Worker Environmental Awareness Program (WEAP) as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Implement project-specific WEAP</li> </ul>	<ul style="list-style-type: none"> <li>During pre-construction (Approval)</li> <li>During construction and decommissioning (Training)</li> </ul>	x	x		x	<ul style="list-style-type: none"> <li>BLM (Approval)</li> <li>Riverside County (Approval)</li> <li>USFWS (Consultation)</li> <li>CDFG (Consultation)</li> </ul>
VEG-4	Minimize Construction-Related Impacts as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Implement all components of mitigation measure</li> </ul>	<ul style="list-style-type: none"> <li>Prior to start of construction (Fencing/delineation)</li> <li>During construction activities</li> </ul>	x	x			<ul style="list-style-type: none"> <li>BLM</li> </ul>
VEG-5	Prepare and Implement a Vegetation Resources Management Plan as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Implement Vegetation Resources Management Plan.</li> </ul>	<ul style="list-style-type: none"> <li>Prior to the initiation of any vegetation-disturbing activities (Plan approval)</li> <li>During construction, operations, and decommissioning</li> </ul>	x	x	x	x	<ul style="list-style-type: none"> <li>BLM (Approval)</li> <li>Riverside County (Approval)</li> <li>USFWS (Approval)</li> <li>CDFG (Approval)</li> </ul>
VEG-6	Provide Off-Site Compensation for Impacts to Vegetation and Habitat as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Implement Habitat Compensation Plan</li> </ul>	<ul style="list-style-type: none"> <li>Prior to commencement for construction (Plan approval)</li> <li>During construction (Avoidance)</li> </ul>	x	x			<ul style="list-style-type: none"> <li>BLM (Approval)</li> <li>Riverside County (Approval)</li> <li>USFWS (Approval)</li> <li>CDFG (Approval)</li> <li>Potential third party other than NFWF (Responsibility for acquisition of compensation lands)</li> </ul>
VEG-7	Mitigate Direct Impacts to Special-Status Plants as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Implement all components of mitigation measure</li> </ul>	<ul style="list-style-type: none"> <li>During pre-construction surveys</li> </ul>	x				<ul style="list-style-type: none"> <li>BLM (Coordination)</li> <li>Rancho Santa Ana Botanic Garden (Consultation)</li> <li>BLM, Riverside County EPD, USFWS, and CDFG (Approval for Emory's Crucifixion Thorn Salvage and Relocation Plan)</li> </ul>
VEG-8	Implement Best Management Practices to Minimize Impacts to Jurisdictional Areas as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Implement all Best Management Practices listed in mitigation measure</li> </ul>	<ul style="list-style-type: none"> <li>During construction, operations, and decommissioning</li> </ul>		x	x	x	<ul style="list-style-type: none"> <li>USFWS</li> <li>CDFG</li> <li>BLM and Riverside County (Notification of spills)</li> </ul>

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MM #	Mitigation Measure Title	Reporting Action	Timing	Timing				Responsible Agency for Review, Approval, or Implementation
				PC	C	O	D	
VEG-9	Prepare and Implement an Integrated Weed Management Plan as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Implement Weed Management Plan</li> <li>Include in Plan the Best Management Practices listed in mitigation measure</li> </ul>	<ul style="list-style-type: none"> <li>Prior to initial ground disturbance (Plan approval)</li> <li>During construction and throughout life of project</li> </ul>	x	x	x	x	<ul style="list-style-type: none"> <li>BLM (Approval)</li> <li>Riverside County EPD (Approval)</li> <li>CDFG (Consultation)</li> <li>USFWS (Consultation)</li> </ul>
VEG-10	Prepare and Implement a Desert Dry Wash Woodland Monitoring and Reporting Plan as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Finalize Desert Dry Wash Woodland Monitoring and Reporting Plan</li> <li>Implement sampling protocol</li> <li>Submit monthly monitoring and annual summary memos and maps</li> <li>Also see MM WAT-3</li> </ul>	<ul style="list-style-type: none"> <li>Prior to commencing project-related pumping activities (Plan approval)</li> <li>During construction and at least 3 years following</li> <li>Extension past 3 year requirement (through operation and decommissioning) will be determined at that time</li> </ul>	x	x	(x)	(x)	<ul style="list-style-type: none"> <li>BLM (Approval)</li> <li>Riverside County (Approval)</li> <li>CDFG (Approval)</li> <li>USFWS (Approval)</li> </ul>

### 4.4: Biological Resources – Wildlife

VEG-1	Assign a Designated Biologist and Biological Monitors as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Please see Biological Resources – Vegetation</li> </ul>
VEG-2	Conduct Biological Monitoring and Reporting during Project Construction, Operations, and Decommissioning as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Please see Biological Resources – Vegetation</li> </ul>
VEG-3	Prepare and Implement a Worker Environmental Awareness Program (WEAP) as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Please see Biological Resources – Vegetation</li> </ul>
VEG-4	Minimize Construction-Related Impacts as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Please see Biological Resources – Vegetation</li> </ul>

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MM #	Mitigation Measure Title	Reporting Action	Timing	Timing				Responsible Agency for Review, Approval, or Implementation
				PC	C	O	D	
VEG-5	Prepare and Implement a Vegetation Resources Management Plan as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Please see Biological Resources – Vegetation</li> </ul>						
VEG-6	Provide Off-Site Compensation for Impacts to Vegetation and Habitat as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Please see Biological Resources – Vegetation</li> </ul>						
VEG-9	Prepare and Implement an Integrated Weed Management Plan as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Please see Biological Resources – Vegetation</li> </ul>						
WIL-1	Wildlife Impact Avoidance and Minimization as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Implement all wildlife avoidance and minimization measures listed in mitigation measure</li> </ul>	<ul style="list-style-type: none"> <li>During construction and operation, and decommissioning</li> </ul>		x	x	x	<ul style="list-style-type: none"> <li>BLM</li> <li>Riverside County</li> <li>USFWS</li> <li>CDFG</li> </ul>
WIL-2	Desert Tortoise Clearance Surveys, Exclusion Fencing, and Translocation as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Implement all components of mitigation measure</li> <li>Include methods and results for desert tortoise activities in monthly compliance reports</li> </ul>	<ul style="list-style-type: none"> <li>Prior to construction (Off-site tortoise relocation)</li> <li>During construction, operation, and decommissioning (Avoidance and minimization of impacts)</li> </ul>	x	x	x	x	<ul style="list-style-type: none"> <li>BLM</li> <li>Riverside County</li> <li>USFWS</li> <li>CDFG</li> </ul>
WIL-3	Nesting Bird Management Plan, Pre-Construction Nest Surveys and Impact Avoidance Measures for Migratory and Nesting Birds as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Prepare and implement all components of mitigation measures</li> <li>Describe nests, buffer areas, and project activities in the vicinity of nests in regular monitoring and compliance reports</li> </ul>	<ul style="list-style-type: none"> <li>During pre-construction (Nest surveys)</li> <li>During construction, operation, and decommissioning</li> </ul>	x	x	x	x	<ul style="list-style-type: none"> <li>BLM</li> <li>Riverside County</li> <li>USFWS</li> <li>CDFG</li> </ul>
WIL-4	Burrowing Owl Impact Avoidance, Minimization, and Compensation Measures as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Prepare and implement all components of mitigation measure</li> </ul>	<ul style="list-style-type: none"> <li>Pre-construction surveys</li> <li>During construction, operation, and decommissioning</li> </ul>	x	x	x	x	<ul style="list-style-type: none"> <li>BLM</li> <li>Riverside County</li> <li>USFWS</li> <li>CDFG</li> </ul>

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MM #	Mitigation Measure Title	Reporting Action	Timing	Timing				Responsible Agency for Review, Approval, or Implementation
				PC	C	O	D	
WIL-5	Golden Eagle Pre-construction and Construction Phase Surveys as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Implement all components of mitigation measure</li> <li>Prepare Golden Eagle Monitoring and management Plan (if required)</li> </ul>	<ul style="list-style-type: none"> <li>Beginning in winter 2011-12, and continuing throughout the construction phase of the project (Annual winter and nesting season surveys)</li> <li>Duration of construction (Golden Eagle Monitoring and Management Plan – if required)</li> </ul>	x	x		•	<ul style="list-style-type: none"> <li>BLM</li> <li>Riverside County</li> <li>USFWS</li> <li>CDFG</li> </ul>
WIL-6	Bird and Bat Conservation Plan as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Implement Bird and Bat Conservation Plan</li> </ul>	<ul style="list-style-type: none"> <li>Pre-construction (Approval)</li> <li>Ongoing during construction, operation, and decommissioning</li> </ul>	x	x	x	x	<ul style="list-style-type: none"> <li>USFWS (Approval)</li> <li>BLM (Consultation)</li> <li>Riverside County (Consultation)</li> <li>CDFG (Consultation)</li> <li>Joshua Tree National Park (Consultation)</li> </ul>
WIL-7	Desert Kit Fox and American Badger Impact Avoidance as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Implement Draft Passive Relocation Plan for Desert Kit Fox and American Badger</li> </ul>	<ul style="list-style-type: none"> <li>Prior to construction (Surveys and approval)</li> <li>Primarily during construction, but also when applicable during operation and decommissioning</li> </ul>	x	x	x	x	<ul style="list-style-type: none"> <li>CDFG (Approval)</li> <li>BLM (Approval)</li> <li>USFWS (Approval)</li> </ul>
WIL-8	Raven Monitoring, Management, and Control Plan as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Implement Raven Monitoring, Management, and Control Plan (Raven Plan)</li> </ul>	<ul style="list-style-type: none"> <li>Prior to construction (Approval)</li> <li>During construction, operation, and decommissioning</li> </ul>	x	x	x	x	<ul style="list-style-type: none"> <li>BLM (Approval)</li> <li>Riverside County (Approval)</li> <li>CDFG (Approval)</li> <li>USFWS (Approval)</li> </ul>

### 4.5: Climate Change

### 4.6: Cultural Resources

CUL-1 None	Memorandum of Agreement (MOA) as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Prepare MOA in consultation with the SHPO, Indian tribes, and other interested parties</li> </ul>	<ul style="list-style-type: none"> <li>Prior to BLM's approval of the Record of Decision</li> </ul>	x				<ul style="list-style-type: none"> <li>BLM</li> </ul>
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## Mitigation Monitoring and Reporting Plan

MM #	Mitigation Measure Title	Reporting Action	Timing	Timing				Responsible Agency for Review, Approval, or Implementation
				PC	C	O	D	
CUL-2	Project Cultural Resources Staff as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Appoint a qualified Project Cultural Resources Specialist and additional cultural resources staff</li> </ul>	<ul style="list-style-type: none"> <li>Primarily during construction, as well as any operation or decommissioning excavation activity</li> </ul>	x	x	x	x	<ul style="list-style-type: none"> <li>BLM</li> </ul>
CUL-3	Monitoring and Treatment Plan as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Implement Monitoring and Treatment Plan</li> </ul>	<ul style="list-style-type: none"> <li>Prior to issuance of Notice to Proceed (Plan approval)</li> <li>Prior to and during construction</li> </ul>	x	x			<ul style="list-style-type: none"> <li>BLM (Approval)</li> <li>Riverside County</li> </ul>
CUL-4	Authority to Halt Construction as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Comply with all components of mitigation measure</li> </ul>	<ul style="list-style-type: none"> <li>Primarily during construction, as well as construction activities during operation and decommissioning</li> </ul>		x	x	x	<ul style="list-style-type: none"> <li>BLM</li> </ul>
CUL-5	Cultural Resources Worker Awareness Program (WEAP) as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Train construction supervisors and crew</li> </ul>	<ul style="list-style-type: none"> <li>Prior to BLM notice to proceed</li> <li>Required for construction and decommissioning personnel</li> </ul>	x	x		x	<ul style="list-style-type: none"> <li>BLM (Approval)</li> </ul>
CUL-6	Monitoring for Cultural Resources as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Monitor in association with ground-disturbing activities</li> </ul>	<ul style="list-style-type: none"> <li>During construction, operation, and decommissioning</li> </ul>		x	x	x	<ul style="list-style-type: none"> <li>BLM (Approval)</li> <li>Indian Tribes (Consultation)</li> </ul>
CUL-7	Cultural Resources Reporting as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Submit daily, weekly, or monthly progress reports as necessary</li> <li>Submit final cultural resources report</li> </ul>	<ul style="list-style-type: none"> <li>During construction</li> </ul>		x			<ul style="list-style-type: none"> <li>BLM</li> <li>State regulatory agency</li> </ul>
CUL-8	Curation of Cultural Resources Collections as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Comply with all components of mitigation measure</li> </ul>	<ul style="list-style-type: none"> <li>Following archaeological investigations</li> </ul>		x			<ul style="list-style-type: none"> <li>BLM</li> <li>California State Historical Resources Commissions (Guidelines)</li> </ul>
CUL-9	Pre-construction Geoarchaeological Subsurface Excavation as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Submit Pre-construction Geoarchaeological Subsurface Excavation Plan</li> <li>Ensure that subsurface excavations occur at a minimum of 10 locations within the project area</li> <li>Results shall be incorporated into the Monitoring and Treatment Plan</li> </ul>	<ul style="list-style-type: none"> <li>Prior to BLM notice to proceed</li> <li>Implementation of the Plan shall be complete prior to the completion of the Monitoring and Treatment Plan (CUL-3)</li> </ul>	x				<ul style="list-style-type: none"> <li>BLM (Approval)</li> <li>Riverside County (Approval)</li> </ul>



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CUL-10	Radio Program as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Implement an appropriate radio program or alternative per the ROD</li> </ul>	<ul style="list-style-type: none"> <li>Broadcast shall be maintained for the life of the project, and updated with relevant new information every five years</li> </ul>		x	x		<ul style="list-style-type: none"> <li>BLM</li> </ul>
CUL-11	Avoid Known Resources as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Avoid flagged resources</li> </ul>	<ul style="list-style-type: none"> <li>Primarily during construction, as well as activities during operation and decommissioning</li> </ul>	x	x			<ul style="list-style-type: none"> <li>BLM</li> </ul>
<b>4.7: Paleontology</b>								
PAL-1	Project Paleontological Staff as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Appoint qualified paleontologist</li> </ul>	<ul style="list-style-type: none"> <li>Prior to and during construction</li> <li>During operation and decommissioning, when applicable</li> </ul>	x	x	x	x	<ul style="list-style-type: none"> <li>Riverside County (Paleontological permit)</li> <li>BLM (Paleontological resource permit)</li> <li>BLM</li> </ul>
PAL-2	Paleontological Mitigation and Monitoring Plan (PMMP) as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Complete PMMP</li> <li>Implement all measures of PMMP</li> <li>Submit monitoring reports</li> </ul>	<ul style="list-style-type: none"> <li>Prior to issuance of a Notice to Proceed (Plan approval)</li> <li>Primarily during construction</li> <li>During operation and decommissioning, when applicable</li> </ul>	x	x	x	x	<ul style="list-style-type: none"> <li>BLM (Approval)</li> <li>Riverside County</li> </ul>
PAL-3	Authority to Halt Ground Disturbance as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Comply with all components of mitigation measure</li> </ul>	<ul style="list-style-type: none"> <li>Primarily during construction (but also applicable to ground disturbing activities during operation and decommissioning)</li> </ul>		x	x	x	<ul style="list-style-type: none"> <li>BLM</li> </ul>
PAL-4	Paleontological Worker Environmental Awareness Program (WEAP) as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Perform WEAP training</li> </ul>	<ul style="list-style-type: none"> <li>Required for construction and decommissioning personnel</li> </ul>	x	x		x	<ul style="list-style-type: none"> <li>BLM</li> </ul>
PAL-5	Construction Monitoring for Paleontological Resources as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Implement all construction monitoring mitigation measures</li> </ul>	<ul style="list-style-type: none"> <li>Primarily during construction (but also applicable to ground disturbing activities during operation)</li> <li>During decommissioning (Spot-checking)</li> </ul>		x	x	x	<ul style="list-style-type: none"> <li>BLM</li> </ul>

## Mitigation Monitoring and Reporting Plan

MM #	Mitigation Measure Title	Reporting Action	Timing	Timing				Responsible Agency for Review, Approval, or Implementation
				PC	C	O	D	
PAL-6	Paleontological Reporting as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Submit daily, monthly and final monitoring reports</li> </ul>	<ul style="list-style-type: none"> <li>During construction</li> <li>During decommissioning if any new fossils are identified during monitoring of decommissioning activities</li> </ul>	x			x	<ul style="list-style-type: none"> <li>BLM</li> <li>Riverside County</li> <li>State regulatory agency</li> </ul>
PAL-7	Curation of Paleontological Materials as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Comply with mitigation measure</li> </ul>	<ul style="list-style-type: none"> <li>Prior to issuance of Notice to Proceed</li> <li>Within 90 days from completion of monitoring (Final Paleontological Resource Recovery Report)</li> <li>During construction and decommissioning</li> </ul>	x	x		x	<ul style="list-style-type: none"> <li>BLM</li> </ul>
PAL-8	Pre-construction Paleontological Subsurface Excavation as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Submit a Pre-construction Paleontological Subsurface Excavation Plan</li> <li>Perform subsurface excavations at a minimum of 10 locations within the project area</li> <li>Results shall be incorporated into the PMMP</li> </ul>	<ul style="list-style-type: none"> <li>Prior to BLM notice to proceed</li> <li>Implementation of the Plan shall be complete prior to the completion of the PMMP</li> </ul>	x				<ul style="list-style-type: none"> <li>BLM (Approval)</li> <li>Riverside County (Approval)</li> </ul>
<b>4.8: Fire and Fuels Management</b>								
FIRE-1	A project-specific Fire Prevention Plan shall be developed and implemented as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Submit Fire Prevention Plan</li> <li>Comply with plan</li> </ul>	<ul style="list-style-type: none"> <li>Prior to construction</li> <li>During construction, operation, and decommissioning</li> </ul>	x	x	x	x	<ul style="list-style-type: none"> <li>County of Riverside</li> <li>BLM- Fire Management Officer (Coordination)</li> <li>Local fire department in the Chuckwalla Valley at Tamarisk Park (Coordination)</li> </ul>
PHS-5	A project-specific Emergency Response and Inventory Plan shall be prepared as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Please see Public Health and Safety</li> </ul>						

## Mitigation Monitoring and Reporting Plan

MM #	Mitigation Measure Title	Reporting Action	Timing	Timing				Responsible Agency for Review, Approval, or Implementation
				PC	C	O	D	
PHS-7	Develop and implement fire services agreement with Riverside County Fire Department and BLM as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Please see Public Health and Safety</li> </ul>						
VEG-9	Prepare and implement an Integrated Weed Management Plan as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Please see Biological Resources – Vegetation</li> </ul>						
<b>4.9: Soils and Geology</b>								
AIR-1	Fugitive Dust Control Plan as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Please see Air Resources</li> </ul>						
AIR-3	Control On-Site Emissions as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Please see Air Resources</li> </ul>						
WAT-1	Demonstrate compliance with water quality permits as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Please see Water Resources</li> </ul>						
WAT-4	Surface Water Protection Plan and Drainage Design Specifications as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Please see Water Resources</li> </ul>						
PHS-5	A project-specific Emergency Response and Inventory Plan shall be prepared as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Please see Public Health and Safety</li> </ul>						
<b>4.10: Energy and Mineral Resources</b>								

None

## Mitigation Monitoring and Reporting Plan

MM #	Mitigation Measure Title	Reporting Action	Timing	Timing				Responsible Agency for Review, Approval, or Implementation
				PC	C	O	D	
4.11: Lands and Realty								
LR-1	Prior ROW Coordination as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"><li>• Coordinate with prior ROW holders and implementation of all components of mitigation measure</li></ul>	<ul style="list-style-type: none"><li>• Prior to and during construction</li></ul>	x	x			<ul style="list-style-type: none"><li>• BLM</li></ul>
LR-2	FERC Withdrawal Compatibility as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"><li>• Comply with all components of mitigation measure</li></ul>	<ul style="list-style-type: none"><li>• Prior to construction</li></ul>	x				<ul style="list-style-type: none"><li>• BLM</li></ul>
LR-3	Eliminate DSSF Panel Shading as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"><li>• Implement all components of mitigation measure</li></ul>	<ul style="list-style-type: none"><li>• Prior to BLM's issuance of a notice to proceed</li></ul>	x				<ul style="list-style-type: none"><li>• BLM (Approval)</li></ul>
4.12: Noise and Vibration								
NOI-1	Limit Construction Hours When Occurring Near Occupied Residences as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"><li>• Implement all components of mitigation measure</li></ul>	<ul style="list-style-type: none"><li>• During construction</li></ul>		x			<ul style="list-style-type: none"><li>• Riverside County (Noise ordinance)</li><li>• BLM</li></ul>
NOI-2	No Net Increase in Ambient Noise within JTNP as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"><li>• Comply with all components of mitigation measure</li></ul>	<ul style="list-style-type: none"><li>• During construction</li></ul>		x			<ul style="list-style-type: none"><li>• BLM</li></ul>
4.13: Public Health and Safety								
PHS-1	A Hazardous Materials Management Plan shall be prepared as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"><li>• Submit a Hazardous Materials Management Plan</li><li>• Comply with plan</li></ul>	<ul style="list-style-type: none"><li>• Prior to issuance of a construction permit</li><li>• Throughout duration of project</li></ul>	x	x	x	x	<ul style="list-style-type: none"><li>• BLM (Approval)</li><li>• Riverside County (Consultation)</li></ul>
PHS-2	Best Management Practices (BMPs) for hazardous materials shall be implemented as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"><li>• Implement all BMPs listed in mitigation measure</li></ul>	<ul style="list-style-type: none"><li>• During construction of the solar facility and gen-tie line</li><li>• Throughout duration of project</li></ul>		x	x	x	<ul style="list-style-type: none"><li>• BLM</li></ul>
PHS-3	A Spill Prevention Control and Countermeasures (SPCC) Plan shall be prepared as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"><li>• Submit SPCC Plan</li><li>• Comply with plan</li></ul>	<ul style="list-style-type: none"><li>• Prior to issuance of a construction permit</li><li>• Throughout duration of project</li></ul>	x	x	x	x	<ul style="list-style-type: none"><li>• BLM (Approval)</li></ul>

## Mitigation Monitoring and Reporting Plan

MM #	Mitigation Measure Title	Reporting Action	Timing	Timing				Responsible Agency for Review, Approval, or Implementation
				PC	C	O	D	
PHS-4	An Environmental Health and Safety Plan shall be prepared as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>• Submit Environmental Health and Safety Plan</li> <li>• Comply with plan</li> </ul>	<ul style="list-style-type: none"> <li>• Prior to issuance of a construction permit</li> <li>• Throughout duration of project</li> </ul>	x	x	x	x	• BLM (Approval)
PHS-5	A project-specific Emergency Response and Inventory Plan shall be prepared as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>• Submit an Emergency Response and Inventory Plan</li> <li>• Comply with plan</li> </ul>	<ul style="list-style-type: none"> <li>• Prior to issuance of construction permit</li> <li>• During construction, operation, and decommissioning</li> </ul>	x	x	x	x	<ul style="list-style-type: none"> <li>• Riverside County (Consultation)</li> <li>• BLM (Approval)</li> </ul>
PHS-6	Ensure proper disposal or recycling of photovoltaic panels and other infrastructure as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>• Develop recycling and disposal plan</li> </ul>	<ul style="list-style-type: none"> <li>• Construction or operation (If panels or other components are damaged)</li> <li>• During decommissioning (Implementation)</li> </ul>	x	x	x	x	• Riverside County Department of Planning and Building
PHS-7	Develop and implement fire services agreement with Riverside County Fire Department and BLM as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>• Implement fire service agreement</li> </ul>	<ul style="list-style-type: none"> <li>• Prior to issuance of construction permit</li> <li>• During construction, operation, and decommissioning</li> </ul>	x	x	x	x	<ul style="list-style-type: none"> <li>• Riverside County Fire Department/CAL FIRE</li> <li>• BLM</li> </ul>
PHS-8	Develop and implement plan to address munitions and explosives of concern (MEC) as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>• Implement all components of mitigation measure</li> <li>• Provide appropriate MEC health and safety awareness training to personnel</li> </ul>	<ul style="list-style-type: none"> <li>• Prior to issuance of construction permit</li> <li>• During construction</li> </ul>	x	x			<ul style="list-style-type: none"> <li>• Department of Defense (Consultation)</li> <li>• BLM (Direction)</li> </ul>
PHS-9	Use Licensed Herbicide Applicator as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>• Implement all components of mitigation measure</li> <li>• Herbicide applicator must contact BLM prior to any herbicide application</li> </ul>	<ul style="list-style-type: none"> <li>• During construction and operation</li> </ul>		x	x		• BLM
FIRE-1	A project-specific Fire Prevention Plan shall be developed and implemented as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>• Please see Fire and Fuels Management</li> </ul>						

## Mitigation Monitoring and Reporting Plan

MM #	Mitigation Measure Title	Reporting Action	Timing	Timing				Responsible Agency for Review, Approval, or Implementation
				PC	C	O	D	
4.14: Recreation								
VR-1	Reduce Construction Related Impacts as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"><li>• Please see Visual Resources</li></ul>						
VR-2	Revegetation as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"><li>• Please see Visual Resources</li></ul>						
VR-3	Project Design to Reduce Visual Contrast as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"><li>• Please see Visual Resources</li></ul>						
VR-4	Surface Treatment of Project Structures/Buildings as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"><li>• Please see Visual Resources</li></ul>						
VR-5	Screening Vegetation Buffer as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"><li>• Please see Visual Resources</li></ul>						
VR-6	Night Light Control as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"><li>• Please see Visual Resources</li></ul>						
4.15: Social and Economic								
	None							
4.16: Environmental Justice								
	None							
4.17 Special Designations								
SD-1	The NPS reviews and comments on pre-construction plans as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"><li>• Implement all components of mitigation measure</li></ul>	<ul style="list-style-type: none"><li>• Review and comment by the NPS must be within time frames specified by the BLM</li></ul>	x				<ul style="list-style-type: none"><li>• NPS</li><li>• BLM</li></ul>

## Mitigation Monitoring and Reporting Plan

MM #	Mitigation Measure Title	Reporting Action	Timing	Timing				Responsible Agency for Review, Approval, or Implementation
				PC	C	O	D	
SD-2	Project owner enters into a funding agreement as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Implement all components of mitigation measure</li> </ul>	<ul style="list-style-type: none"> <li>Funding agreement may be included in the ROD</li> <li>Monitoring costs would be assessed during the construction period</li> </ul>	x	x			<ul style="list-style-type: none"> <li>NPS</li> <li>BLM</li> </ul>
SD-3	The project owner develops a Signage and Guidance Plan as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Implement all components of mitigation measure</li> </ul>	<ul style="list-style-type: none"> <li>Review and approval by both the NPS and the BLM shall occur prior to the start of construction</li> </ul>	x				<ul style="list-style-type: none"> <li>NPS (Approval)</li> <li>BLM (Approval)</li> </ul>
MM AIR-1	Fugitive Dust Control Plan as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Please see Air Resources</li> </ul>						
MM AIR-3	Control Operational Fugitive Dust as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Please see Air Resources</li> </ul>						
MM AIR-4	Control Equipment Emissions as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Please see Air Resources</li> </ul>						
MM NOI-2	No Net Increase in Ambient Noise within Joshua Tree National Park as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Please see Noise</li> </ul>						
MM VEG-1	Assign a Designated Biologist and Biological Monitors as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Please see Biological Resources – Vegetation</li> </ul>						
MM VEG-2	Conduct Biological Monitoring and Reporting during Project Construction, Operations, and Decommissioning as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Please see Biological Resources – Vegetation</li> </ul>						

## Mitigation Monitoring and Reporting Plan

MM #	Mitigation Measure Title	Reporting Action	Timing	Timing				Responsible Agency for Review, Approval, or Implementation
				PC	C	O	D	
MM VEG-3	Prepare and Implement a Worker Environmental Awareness Program (WEAP) as identified in Appendix 3 of the ROD	• Please see Biological Resources – Vegetation						
MM VEG-4	Minimize Construction-Related Impacts as identified in Appendix 3 of the ROD	• Please see Biological Resources – Vegetation						
MM VEG-5	Prepare and Implement a Vegetation Resources Management Plan as identified in Appendix 3 of the ROD	• Please see Biological Resources – Vegetation						
MM VEG-6	Provide Off-Site Compensation for Impacts to Vegetation and Habitat as identified in Appendix 3 of the ROD	• Please see Biological Resources – Vegetation						
MM VEG-8	Implement Best Management Practices to Minimize Impacts to Jurisdictional Areas as identified in Appendix 3 of the ROD	• Please see Biological Resources – Vegetation						
MM VEG-9	Prepare and Implement an Integrated Weed Management Plan as identified in Appendix 3 of the ROD	• Please see Biological Resources – Vegetation						
MM VR-1	Reduce Construction Related Impacts as identified in Appendix 3 of the ROD	• Please see Visual Resources						
MM VR-2	Revegetation as identified in Appendix 3 of the ROD	• Please see Visual Resources						
MM VR-3	Project Design to Reduce Visual Contrast as identified in Appendix 3 of the ROD	• Please see Visual Resources						



## Mitigation Monitoring and Reporting Plan

MM #	Mitigation Measure Title	Reporting Action	Timing	Timing				Responsible Agency for Review, Approval, or Implementation
				PC	C	O	D	
MM VR-4	Surface Treatment of Project Structures/Buildings as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Please see Visual Resources</li> </ul>						
MM VR-5	Screening Vegetation Buffer as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Please see Visual Resources</li> </ul>						
<b>4.18: Transportation and Public Access</b>								
TRAN-1	Limit Water Truck Deliveries as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Implement all components of mitigation measure</li> </ul>	<ul style="list-style-type: none"> <li>During construction and operation</li> </ul>		x	x		<ul style="list-style-type: none"> <li>BLM</li> <li>Riverside County (LOS standards)</li> </ul>
TRAN-2	Restore Local Roads as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Implement all components of mitigation measure</li> </ul>	<ul style="list-style-type: none"> <li>Prior to and at the end of project construction and decommissioning</li> </ul>	x	x		x	<ul style="list-style-type: none"> <li>Riverside County</li> <li>BLM</li> </ul>
<b>4.19: Visual Resources</b>								
VR-1	Reduce Construction Related Impacts as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Implement all components of mitigation measure</li> </ul>	<ul style="list-style-type: none"> <li>Prior to and during construction</li> </ul>	x	x			<ul style="list-style-type: none"> <li>BLM</li> </ul>
VR-2	Revegetation as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Prepare revegetation plan</li> <li>Implement all components of mitigation measure</li> </ul>	<ul style="list-style-type: none"> <li>Approved plan must be submitted no more than 30 days following the publication of the BLM's Record of Decision/ROW Issuance, whichever comes first</li> <li>Through decommissioning</li> </ul>	x	x	x	x	<ul style="list-style-type: none"> <li>BLM (Approval)</li> </ul>
VR-3	Project Design to Reduce Visual Contrast as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Prepare Project Design Plan</li> <li>Implement all components of mitigation measure</li> </ul>	<ul style="list-style-type: none"> <li>Draft plan must be submitted to BLM for approval at least 30 days prior to (a) ordering the first structures that are to be color-treated during manufacture, or prior to construction of any of the facility components, whichever comes first.</li> </ul>	x	x			<ul style="list-style-type: none"> <li>BLM (Approval)</li> </ul>

## Mitigation Monitoring and Reporting Plan

MM #	Mitigation Measure Title	Reporting Action	Timing	Timing				Responsible Agency for Review, Approval, or Implementation
				PC	C	O	D	
VR-4	Surface Treatment of Project Structures/Buildings as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>• Prepare Surface Treatment Plan</li> <li>• Implement all components of mitigation measure</li> </ul>	<ul style="list-style-type: none"> <li>• Draft plan must be submitted to BLM for approval at least 30 days prior to (a) ordering the first structures that are to be color-treated during manufacture, or prior to construction of any of the facility components, whichever comes first.</li> <li>• Construction activities shall not start until the BLM's approval of the plan has been received</li> <li>• During construction</li> </ul>	x	x			• BLM (Approval)
VR-5	Screening Vegetation Buffer as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>• Prepare Screening Plan</li> <li>• Implement vegetated buffer</li> <li>• Implement all components of mitigation measure</li> </ul>	<ul style="list-style-type: none"> <li>• Draft plan must be submitted no fewer than 30 days prior to the start of construction</li> <li>• Final screen planning must be submitted following the BLM's review and comment period, and no fewer than 15 days prior to the start of construction</li> <li>• During construction and maintained throughout operation</li> </ul>	x	x	x		• BLM (Approval)
VR-6	Night Lighting Control as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>• Prepare and implement Night Lighting Management Plan</li> <li>• Coordinate with the NPS Night Sky Program Manager</li> </ul>	<ul style="list-style-type: none"> <li>• Draft plan must be submitted no fewer than 30 days prior to the start of construction</li> <li>• Final plan must be submitted following BLM's and NPS' review, and no fewer than 15 days prior to the start of construction</li> <li>• During construction and operation</li> </ul>	x	x	x		<ul style="list-style-type: none"> <li>• BLM (Approval)</li> <li>• NPS- Joshua Tree National Park (Approval)</li> </ul>

## Mitigation Monitoring and Reporting Plan

MM #	Mitigation Measure Title	Reporting Action	Timing	Timing				Responsible Agency for Review, Approval, or Implementation
				PC	C	O	D	
4.20: Water Resources								
WAT-1	Demonstrate compliance with water quality permits as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"><li>Secure all applicable permits prior to construction</li><li>Comply with all permits</li></ul>	<ul style="list-style-type: none"><li>Prior to construction, demonstrate that all applicable agencies have been contacted</li><li>During construction and operation</li></ul>	x	x	x	x	<ul style="list-style-type: none"><li>BLM</li><li>Riverside County Department of Planning and Building</li><li>CDFG; U.S. Army Corps of Engineers; SWRCB / Colorado River Basin RWQCB (Jurisdiction for potential water quality permits)</li></ul>
WAT-2	Alternative Water Source and Groundwater Offsets as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"><li>Implement all components of mitigation measure</li></ul>	<ul style="list-style-type: none"><li>Identify alternative water source prior to the onset of construction</li><li>During construction and operation</li></ul>	x	x	x		<ul style="list-style-type: none"><li>BLM</li><li>Water district in project-area (Administration of Forbearance and Fallowing Program)</li></ul>
WAT-3	Groundwater Drawdown Monitoring and Reporting Plan as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"><li>Prepare and implement Groundwater Monitoring and Reporting Plan</li><li>Submit quarterly and annual data reports</li></ul>	<ul style="list-style-type: none"><li>Prior to onset of construction</li><li>Reporting during first five years of project, including construction</li></ul>	x	x	x		<ul style="list-style-type: none"><li>BLM (Approval)</li><li>Colorado River Basin RWQCB (Consultation)</li></ul>
WAT-4	Surface Water Protection Plan and Drainage Design Specifications as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"><li>Comply with BMPs required by the SWPP</li></ul>	<ul style="list-style-type: none"><li>Prior to construction</li><li>During construction, operation, and decommissioning</li></ul>	x	x	x	x	<ul style="list-style-type: none"><li>SWRCB / Colorado River Basin RWQCB (filing of NOI)</li><li>BLM</li></ul>
WAT-5	Construction Site Dewatering Management as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"><li>Implement all components of mitigation measure</li></ul>	<ul style="list-style-type: none"><li>If groundwater is encountered during construction, operation, or decommissioning</li></ul>		x	x	x	<ul style="list-style-type: none"><li>BLM (Notification)</li><li>Colorado River Basin RWQCB (Notification)</li><li>Environmental Monitor</li></ul>
WAT-6	Drought Water Management and Water Conservation Education Programs as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"><li>Implement Drought Water Management Program and Water Conservation Education Program</li></ul>	<ul style="list-style-type: none"><li>Prior to onset of construction</li><li>Implemented throughout construction and operation</li></ul>	x	x	x		<ul style="list-style-type: none"><li>BLM (Approval)</li></ul>

## Mitigation Monitoring and Reporting Plan

MM #	Mitigation Measure Title	Reporting Action	Timing	Timing				Responsible Agency for Review, Approval, or Implementation
				PC	C	O	D	
WAT-7	Colorado River Water Supply Plan as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Implement Colorado River Water Supply Plan</li> <li>Implement all components of mitigation measure</li> </ul>	<ul style="list-style-type: none"> <li>Approval prior to onset of groundwater pumping</li> <li>During construction and operations</li> </ul>	x	x	x		<ul style="list-style-type: none"> <li>BLM (Approval)</li> <li>Colorado River Basin RWQCB (Approval)</li> <li>Environmental Monitor</li> </ul>
WAT-8	Flood and Erosion Structure Damage Protection as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Implement all components of mitigation measure</li> </ul>	<ul style="list-style-type: none"> <li>Prior to and during construction</li> <li>Maintenance during operation</li> </ul>	x	x	x		<ul style="list-style-type: none"> <li>Environmental Monitor</li> </ul>
WAT-9	Accidental Spill Control and Environmental Training as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Implement all components of mitigation measure</li> </ul>	<ul style="list-style-type: none"> <li>Prior to and during construction</li> </ul>	x	x			<ul style="list-style-type: none"> <li>BLM</li> </ul>

### 4.21: Solid and Hazardous Wastes

PHS-1	A Hazardous Materials Management Plan shall be prepared as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Please see Public Health and Safety</li> </ul>
PHS-2	Best Management Practices (BMPs) for hazardous materials shall be implemented as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Please see Public Health and Safety</li> </ul>
PHS-3	A Spill Prevention Control and Countermeasures (SPCC) Plan shall be prepared as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Please see Public Health and Safety</li> </ul>
PHS-4	An Environmental Health and Safety Plan shall be prepared as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Please see Public Health and Safety</li> </ul>
PHS-5	A project-specific Emergency Response and Inventory Plan shall be prepared as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Please see Public Health and Safety</li> </ul>

## Mitigation Monitoring and Reporting Plan

MM #	Mitigation Measure Title	Reporting Action	Timing	Timing				Responsible Agency for Review, Approval, or Implementation
				PC	C	O	D	
PHS-6	Ensure proper disposal or recycling of photovoltaic panels and other infrastructure as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Please see Public Health and Safety</li> </ul>						

### Applicant Proposed Measures (APMs)

#### 4.2: Air Quality

AM AQ-1	Dust Control Plan as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Comply with MM AIR-1</li> </ul>						
AM AQ-2	Phased construction activity as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Phase construction activity across the site to minimize the area disturbed on any single day</li> </ul>	<ul style="list-style-type: none"> <li>During construction</li> </ul>		x			<ul style="list-style-type: none"> <li>BLM</li> </ul>
AM AQ-3	Minimize Emissions from grading as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Balance cut and fill</li> </ul>	<ul style="list-style-type: none"> <li>During construction</li> </ul>		x			<ul style="list-style-type: none"> <li>BLM</li> </ul>
AM AQ-4	Transportation plan as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Vidders for construction contract submit transportation plans</li> </ul>	<ul style="list-style-type: none"> <li>Prior to issuance of construction permits</li> </ul>	x				<ul style="list-style-type: none"> <li>BLM</li> </ul>

#### 4.3 & 4.4: Biological Resources- Vegetation and Wildlife

AM BIO-1	Habitat Compensation Plan as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Comply with requirements of MM VEG-6</li> </ul>						
AM BIO-2	Integrated Weed Management Plan as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Comply with requirements of MM VEG-9</li> </ul>						
AM BIO-3	Pre-construction Surveys for Special-Status Plant Species and Cacti as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Comply with requirements of MM VEG-7</li> </ul>						

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MM #	Mitigation Measure Title	Reporting Action	Timing	Timing				Responsible Agency for Review, Approval, or Implementation
				PC	C	O	D	
AM BIO-4	Worker Environmental Awareness Program (WEAP) as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Comply with requirements of MM VEG-3</li> </ul>						
AM BIO-5	Vegetation Resources Management Plan as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Comply with requirements of MM VEG-5</li> </ul>						
AM BIO-6	Desert Tortoise Translocation Plan as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Comply with requirements of MM WIL-2</li> </ul>						
AM BIO-7	Avian and Bat Protection Plan as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Comply with requirements of MM WIL-6</li> </ul>						
AM BIO-8	Construction Water Storage Pond Design as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Construct water ponds in accordance with migratory waterfowl and raven management standards</li> </ul>	<ul style="list-style-type: none"> <li>During construction</li> </ul>		x			<ul style="list-style-type: none"> <li>BLM</li> </ul>
	<b>4.7: Paleontology</b>	<ul style="list-style-type: none"> <li></li> </ul>						
AM PAL-1	Paleontological Measures as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Comply with MM PAL-1 through MM PAL-8</li> </ul>						
	<b>4.8: Fire and Fuels Management</b>	<ul style="list-style-type: none"> <li></li> </ul>						
AM HAZ-7	Fire protection measures shall be implemented as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Comply with FIRE-1</li> </ul>						
AM HAZ-8	Fire Prevention Plan as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Comply with FIRE-1</li> </ul>						
AM HAZ-9	Emergency Response Plan as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Comply with MM PHS-5</li> </ul>						

## Mitigation Monitoring and Reporting Plan

MM #	Mitigation Measure Title	Reporting Action	Timing	Timing				Responsible Agency for Review, Approval, or Implementation
				PC	C	O	D	
4.9: Soils and Geology								
AM GEO-1	Design Plan as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"><li>Include mitigation measures provided by upcoming geotechnical survey in construction design plans for project</li></ul>	<ul style="list-style-type: none"><li>Prior to and during construction</li></ul>	x	x			<ul style="list-style-type: none"><li>BLM</li></ul>
AM GEO-2	Design Features as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"><li>Comply with AIR-1, WAT-1, WAT-4</li></ul>						
4.11: Lands and Realty								
AM LU-1	Notification as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"><li>Notify property owners within 300 feet of all major project construction milestones</li></ul>	<ul style="list-style-type: none"><li>At least 30 days before start of construction</li><li>During construction</li></ul>	x	x			<ul style="list-style-type: none"><li>BLM</li></ul>
4.12: Noise and Vibration								
AM N-1	Construction Schedule as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"><li>Comply with MM NOI-1</li></ul>						
4.13: Public Health and Safety								
AM HAZ-1	Spill containment and clean-up kits as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"><li>Keep spill containment and clean-up kits on site</li><li>Also see MM PHS-3 for Spill Prevention Control and Countermeasures</li></ul>	<ul style="list-style-type: none"><li></li></ul>		x	x		<ul style="list-style-type: none"><li>BLM</li></ul>
AM HAZ-2	Hazardous Materials Management Plan as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"><li>Comply with MM PHS-1</li></ul>						
AM HAZ-3	Best Management Practices (BMPs) for hazardous materials as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"><li>Comply with MM PHS-2</li></ul>						
AM HAZ-4	Spill Prevention Control and Countermeasures (SPCC) Plan as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"><li>Comply with MM PHS-3</li></ul>						

## Mitigation Monitoring and Reporting Plan

MM #	Mitigation Measure Title	Reporting Action	Timing	Timing				Responsible Agency for Review, Approval, or Implementation
				PC	C	O	D	
AM HAZ-5	Environmental Health and Safety Plan as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Comply with MM PHS-4</li> </ul>						
AM HAZ-6	Emergency Response and Inventory Plan as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Comply with MM PHS-5</li> </ul>						
AM HAZ-7	Fire Protection and other requirements as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Comply with FIRE-1</li> </ul>						
AM HAZ-8	Fire Prevention Plan as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Comply with FIRE-1</li> </ul>						
AM HAZ-9	Emergency Response Plan as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Comply with MM PHS-5</li> </ul>						
AM HAZ-10	Decommissioning Plan as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>If permanent closure is appropriate, develop decommissioning plan and submit to BLM for review and approval</li> <li>Also see PHS-6 for recycling</li> </ul>						<ul style="list-style-type: none"> <li>BLM</li> </ul>
<b>4.15: Social and Economic</b>								
AM S-1	Notification as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Notify public of project activities and scheduling</li> </ul>	<ul style="list-style-type: none"> <li>Prior to construction</li> <li>Any activities during project lifetime</li> </ul>	x	x	x	x	<ul style="list-style-type: none"> <li>BLM</li> </ul>
AM S-2	Minimize Visual Impacts of Gen-Tie as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Comply with MM VR-3</li> </ul>						
<b>4.18: Transportation and Public Access</b>								
AM TR-1	Construction Traffic Control Plan as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Prepare Traffic Control Plan</li> </ul>	<ul style="list-style-type: none"> <li>Prior to construction</li> <li>During construction and operations</li> </ul>	x	x	x		<ul style="list-style-type: none"> <li>Riverside County and/or Caltrans (Coordination)</li> </ul>



## Mitigation Monitoring and Reporting Plan

MM #	Mitigation Measure Title	Reporting Action	Timing	Timing				Responsible Agency for Review, Approval, or Implementation
				PC	C	O	D	
AM TR-2	Document road conditions as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Comply with MM TRAN-2</li> </ul>						
AM TR-3	Share project information with airport owners as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Share project information with airport owners if a transmission line alternative that runs near the former Desert Center Airport runway is selected</li> </ul>	<ul style="list-style-type: none"> <li>Prior to construction</li> </ul>	x				<ul style="list-style-type: none"> <li>BLM</li> </ul>
AM TR-4	Coordinate with DoD as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Coordinate with DoD regarding low-level flight operations</li> </ul>	<ul style="list-style-type: none"> <li>Prior to and during construction</li> </ul>	x	x			<ul style="list-style-type: none"> <li>BLM</li> </ul>

### 4.19: Visual Resources

n/a	Equipment other than the solar panels will have a non-reflective surface and neutral colors to minimize their visual impacts to the extent practical as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Comply with VR-3 and VR-4</li> </ul>						
n/a	A paint color acceptable to the BLM will be used on all facilities that can be painted to blend the facility with the existing surroundings as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Comply with VR-4</li> </ul>						
n/a	Nighttime lighting will be limited to areas required for operation, safety, or security, and will be directed or shielded from major roadways or possible outside observers as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Comply with VR-6</li> </ul>						

## Mitigation Monitoring and Reporting Plan

MM #	Mitigation Measure Title	Reporting Action	Timing	Timing				Responsible Agency for Review, Approval, or Implementation
				PC	C	O	D	
n/a	Lighting at high illumination areas not required on a continuous basis will be controlled by switches, motion detectors, etc., to light the areas only when required as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Comply with VR-6</li> </ul>						
n/a	Exterior lights will be hooded and lights will be directed onsite so that light or glare will be minimized as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Comply with VR-6</li> </ul>						
n/a	Low-pressure sodium lamps and fixtures of a non-glare type will be specified as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Comply with VR-6</li> </ul>						
<b>4.20: Water Resources</b>								
AM WR-1	Manage Hazardous Materials and Use SPCC Plan as identified in Appendix 3 of the ROD	<ul style="list-style-type: none"> <li>Comply with PHS-3</li> </ul>						